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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2009; month=5; day=6; hr=9; min=13; sec=44; ms=414;]

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Application No: 10776643 Version No: 1.0

Input Set:

Output Set:

Started: 2009-04-29 08:41:08.836

Finished: 2009-04-29 08:41:09.751

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 915 ms

Total Warnings: 0

Total Errors: 0

No. of SeqIDs Defined: 1

Actual SeqID Count: 1

SEQUENCE LISTING

<110> Hsieh, Helen Vivian
 Amiss, Terry J.
 Nycz, Colleen M.
 Sherman, Douglas B.
 Wright, David J.
 Pitner, J. Bruce

<120> Binding proteins as biosensors

<130> 100496-5006-US01

<140> 10776643

<141> 2009-04-29

<150> US 10/040,077

<151> 2002-01-04

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<170> PatentIn version 3.5

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| 1 | | | | 5 | | | | | 10 | | | | | 15 | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ser | Val | Val | Arg | Lys | Ala | Ile | Glu | Gln | Asp | Ala | Lys | Ala | Ala | Pro |
| | | | 20 | | | | | 25 | | | | | 30 | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Asp | Val | Gln | Leu | Leu | Met | Asn | Asp | Ser | Gln | Asn | Asp | Gln | Ser | Lys | Gln |
| | | 35 | | | | | 40 | | | | | 45 | | | |

| | | | | | | | | | | | | | | | |
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| Asn | Asp | Gln | Ile | Asp | Val | Leu | Leu | Ala | Lys | Gly | Val | Lys | Ala | Leu | Ala |
| | 50 | | | | | 55 | | | | | 60 | | | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ile | Asn | Leu | Val | Asp | Pro | Ala | Ala | Ala | Gly | Thr | Val | Ile | Glu | Lys | Ala |
| 65 | | | | 70 | | | | | | 75 | | | | 80 | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Arg | Gly | Gln | Asn | Val | Pro | Val | Val | Phe | Phe | Asn | Lys | Glu | Pro | Ser | Arg |
| | | | | 85 | | | | | 90 | | | | | 95 | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Ala | Leu | Asp | Ser | Tyr | Asp | Lys | Ala | Tyr | Tyr | Val | Gly | Thr | Asp | Ser |
| | | | 100 | | | | | 105 | | | | | 110 | | |

Lys Glu Ser Gly Ile Ile Gln Gly Asp Leu Ile Ala Lys His Trp Ala
115 120 125

Ala Asn Gln Gly Trp Asp Leu Asn Lys Asp Gly Gln Ile Gln Phe Val
130 135 140

Leu Leu Lys Gly Glu Pro Gly His Pro Asp Ala Glu Ala Arg Thr Thr
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Tyr Val Ile Lys Glu Leu Asn Asp Lys Gly Ile Lys Thr Glu Gln Leu
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Gln Leu Asp Thr Ala Met Trp Asp Thr Ala Gln Ala Lys Asp Lys Met
180 185 190

Asp Ala Trp Leu Ser Gly Pro Asn Ala Asn Lys Ile Glu Val Val Ile
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Ala Asn Asn Asp Ala Met Ala Met Gly Ala Val Glu Ala Leu Lys Ala
210 215 220

His Asn Lys Ser Ser Ile Pro Val Phe Gly Val Asp Ala Leu Pro Glu
225 230 235 240

Ala Leu Ala Leu Val Lys Ser Gly Ala Leu Ala Gly Thr Val Leu Asn
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Asp Ala Asn Asn Gln Ala Lys Ala Thr Phe Asp Leu Ala Lys Asn Leu
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Ala Asp Gly Lys Gly Ala Ala Asp Gly Thr Asn Trp Lys Ile Asp Asn
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Lys Val Val Arg Val Pro Tyr Val Gly Val Asp Lys Asp Asn Leu Ala
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Glu Phe Ser Lys Lys
305